Datasheet for ABIN2713788

CD81 Protein (CD81) (Myc-DYKDDDDK Tag)

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Overview

Quantity:	20 µg
Target:	CD81
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD81 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	• Recombinant human CD81 / TAPA1 protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target:	CD81
Alternative Name:	Cd81,tapa1 (CD81 Products)
Background:	The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with

Target Details

	integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.
Molecular Weight:	25.6 kDa
NCBI Accession:	NP_004347
Pathways:	Inositol Metabolic Process, Hepatitis C

Application Details

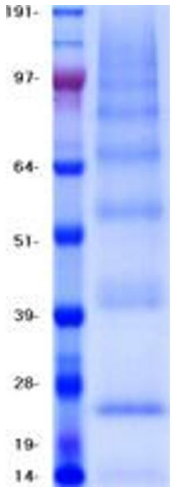
Application Notes:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

Handling

Concentration:	50 µg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in:	Zeng, Devadoss, Wang, Vomhof-DeKrey, Kuhn, Basson: "Inhibition of pressure-activated cancer cell adhesion by FAK-derived peptides." in: **Oncotarget**, Vol. 8, Issue 58, pp. 98051-98067, (2017) (PubMed). There are more publications referencing this product on: Product page



Western Blotting

Image 1. Validation with Western Blot